

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-61 (Cancelled)

Claim 62 (Currently Amended): A method for conveying resistance to beet necrotic yellow vein virus (BNYVV) to a sugar beet plant, comprising:

preparing a BNYVV cDNA fragment consisting of a nucleotide sequence that corresponds to nucleotides 153 to 3258 of RNA1 of said virus;

introducing said DNA fragment, operatively linked to a promoter that is active in sugar beet plants, into a sugar beet plant cell to obtain a transformed sugar beet cell; and

regenerating a transgenic sugar beet plant from the transformed and selected sugar beet plant cell, said transformed sugar beet plant cell comprising in its genome at least two copies of the DNA fragment, wherein ~~expression of~~ said DNA fragment confers resistance to BNYVV to said transgenic sugar beet plant.

Claim 63 (Previously Presented): The method of claim 62, wherein the fragment is introduced into the cell by means of a DNA vector comprising said DNA fragment and transcription and translation regulatory sequences operably linked therewith.

Claim 64 (Previously Presented): A transformation vector for conveying resistance to BNYVV DNA fragment consisting of a nucleotide sequence that corresponds to nucleotides 153 to 3258 of RNA1 of said virus, and transcription and translation regulatory sequences operably linked therewith.

Claim 65 (Previously Presented): A transgenic sugar beet plant cell, exhibiting resistance to BNYVV, comprising in its genome at least two copies of a BNYVV

DNA fragment consisting of a nucleotide sequence that corresponds to nucleotides 153 to 3258 of RNA1 of said virus.

Claim 66 (Canceled)

Claim 67 (Previously Presented): The transgenic plant cell of claim 65, wherein said cell is part of a sugar beet plant that is resistant against BNYVV.

Claim 68 (Currently Amended): A transgenic sugar beet plant exhibiting resistance to BNYVV, comprising plant cells having in their genome at least two copies of a BNYVV DNA fragment consisting of a nucleotide sequence that corresponds to nucleotides 153 to 3258 of said virus, and ~~transcription and translation~~ regulatory sequences operably linked therewith.

Claim 69 (Canceled)

Claim 70 (Previously Presented): Progeny of the transgenic sugar beet plant of claim 68, wherein said progeny of the transgenic sugar beet plant exhibit resistance to BNYVV, and further wherein said progeny have in their genome at least two copies of the DNA fragment.

Claim 71 (Previously Presented): Seeds of the transgenic sugar beet plant of claim 68, wherein said seeds of the transgenic sugar beet plant can be grown into a plant that exhibits resistance to BNYVV, and further wherein said seeds have in their genome at least two copies of the DNA fragment.

Claim 72 (Previously Presented): Vegetatively reproducible structures from the transgenic sugar beet plant of claim 68, wherein said vegetatively reproducible structures from the transgenic sugar beet plant can be grown into a plant that exhibits resistance to BNYVV.